

DOCKET: CU-4883

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Gilles SOLECKI)
SERIAL NO: 10/582,751) Group Art Unit:
FILED: June 14, 2006) Examiner:
TITLE: ADHESIVE TEXTILE IMPLANT FOR PARIETAL REPAIR

THE COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDED CLAIMS

1. (currently amended) Surgical implant, including a textile and a biocompatible polymeric composition, ~~characterized in that~~ wherein the polymeric composition is water-soluble and has the aptitude to make the implant adhere, in a way that it can be repositioned onto tissues of the human organism only under the combined action of water molecules and compressive force.

2. (currently amended) Implant according to claim 1 ~~characterized in that~~ wherein the biocompatible polymeric composition includes at least one adhesive pertaining to the group of adhesives sensitive to pressure (~~PSA: Press Sensitive Adhesives~~).

3. (currently amended) Implant according to ~~any one of the claims 1 or 2,~~ claim 1, wherein the biocompatible polymeric composition is impregnated on at least one part of the implant.

4. (currently amended) Implant according to ~~any one of the claims 1 or 2,~~ claim 1, wherein the adhesive biocompatible polymeric composition is coated on at least one of the surfaces of the implant.

5. (currently amended) Implant according to ~~any one of the preceding claims, characterized in that~~ claim 1, wherein the self-adhesive biocompatible polymeric composition is mixed with active pharmaceutical agents.

6. (currently amended) Implant according to ~~anyone of the preceding claims, characterized in that~~ claim 1, wherein the polymeric composition includes polyvinylpyrrolidone (P.V.P.).

7. (currently amended) Implant according to ~~anyone of the preceding claims, characterized in that~~ claim 1, wherein the polymeric composition includes a mixture of polyvinylpyrrolidone (P.V.P.) and polyethylene glycol (P.E.G.).

8. (currently amended) Implant according to ~~any one of the claims 1-5, characterized in that~~ claim 1, wherein the polymeric composition includes carboxymethylcellulose (C.M.C.).

9. (currently amended) Implant according to claim 8, ~~characterized in that~~ wherein the polymeric composition includes carboxymethylcellulose (C.M.C.) mixed with polyethylene glycol (P.E.G.).

10. (currently amended) Implant according to ~~one of the claims 1-5, characterized in that~~ claim 1, wherein the self-adhesive biocompatible polymeric composition is a copolymer including monomers belonging to the acrylate and monomer family selected to give water solubility to self-adhesive biocompatible polymer.

11. (currently amended) Implant according to claim 10, ~~characterized in that~~ wherein the acrylate monomer is selected from the group category consisting of: Octyl acrylate, 2-Ethylhexyl acrylate, Isooctyl acrylate, Isononyl acrylate, Hexyl acrylate, and Butyl acrylate, and ~~[[that]]~~ wherein the monomer

selected to give water solubility to the self-adhesive polymer is selected from the group ~~category~~ consisting of: β -acryloyloxy propionic acid, acrylic acid, vinylphosphonic acid, and methacrylic acid.

12. (currently amended) Implant according to ~~one of the claims 10 and 11, characterized in that~~ claim 10, wherein the self-adhesive polymeric composition includes moreover Hydroxyalkyl(meth)acrylate monomers.

13. (currently amended) Implant according to claim 12, ~~characterized in that~~ wherein the hydroxyalkyl(meth)acrylate monomer is selected from the group ~~category~~ consisting of: 2-hydroxyethyl acrylate, 2-hydroxypropyl. acrylate, 2-hydroxyethyl methacrylate, and 2-hydroxypropyl methacrylate.